

Amendment To The Specification:

In the English translation document, please delete the term --Description-- at page 1 line 1, before the title.

In the English translation document, please add the paragraph at page 1 line 5, after the title, as follows:

--CROSS REFERENCE TO RELATED APPLICATIONS

This application is the US National Stage of International Application No. PCT/DE2003/002941, filed September 4, 2003 and claims the benefit thereof. The International Application claims the benefits of German application No. 10246723.4 filed October 8, 2002, both applications are incorporated by reference herein in their entirety.--

In the English translation document, please add the section heading at page 1 line 5, after the newly added CROSS REFERENCE TO RELATED APPLICATIONS section, as follows:

--FIELD OF THE INVENTION--

In the English translation document, please amend the paragraph at page 1 lines 6-10, as follows:

The invention relates to a method and an arrangement for determining signal degradations in the presence of signal distortions, ~~in accordance with the preamble of Claims 1 and 31, and to two arrangements in accordance with the preamble of Claims 18 and 32.~~

In the English translation document, please add the section heading at page 1 line 11, as follows:

-- SUMMARY OF THE INVENTION--

In the English translation document, please amend the paragraph at page 6 lines 10-13, as follows:

This object is achieved by the claims ~~in respect of the method by a method with the characteristics of Claims 1 and 31, and in respect of the arrangement by two arrangements with the characteristics of Claims 18 and 22.~~

In the English translation document, please amend the paragraph at page 11 lines 29-30, as follows:

Advantageous developments of the invention are specified in the dependent subclaims.

In the English translation document, please add the section heading at page 11 line 31, as follows:

--BRIEF DESCRIPTION OF THE DRAWINGS--

In the English translation document, please add the section heading at page 12 line 20, as follows:

--DETAILED DESCRIPTION OF THE INVENTION--

In the English translation document, please amend the paragraph at page 17 line 27 to page 18 line 16, as follows:

Figure 3 shows an arrangement which, as in Figure 2, is low cost, for measuring signal degradations for an optical broadband signal S transmitted over a transmission system, from which at least a fraction S1 in amplitude terms is extracted by means of a coupler KO and is fed to an adaptive optical filter F. Connected between the coupler KO and the adaptive optical filter F are a first circulator C01, followed by a bandpass filter BPF0, and then a second circulator C12. Connected to the output from the adaptive optical filter F is an optical signal feedback FB, for the purpose of transmitting the filtered signal S2 to the second circulator C12. The filtered signal S2 is supplied to a signal quality measurement unit ME as shown in Figure 2 via the circulator C12, the bandpass filter BPF0 and the first circulator C01. Connected to the adaptive optical filter F is a control unit SE for the purpose at least of switching through and/or exercising an influence on signal distortions, even as far as equalizing the optical signal S. Connected between the bandpass filter BPF0 and the second circulator C12 is an amplifier V1. This amplifier V1 can also be arranged anywhere in the optical signal feedback FB, i.e. can be connected in circuit either before or after the adaptive optical filter F. Optionally, an amplifier V0 can be connected in circuit between the coupler KO and the first circulator C01 as a booster, as in Figure 2.